

OPT & HPT SERIES

PIPE MOUNTED & FREE-STANDING PRESSURE TANKS

Pentair Onga's OPT and HPT pressure tanks are ideally suited to a wide range of domestic and industrial pressurised water storage, and water hammer arrestor applications. Adding a pressure tank assists with reducing energy costs and extends pump life by minimising the start-stop frequency.

The OPT range is ideal for everyday applications and comes in sizes from 8 to 100 litre nominal capacities, with an operating pressure up to 10 bar. The HPT model is available from 20 through to 200 litre nominal capacities and is rated to 16 bar for more demanding high-pressure applications.



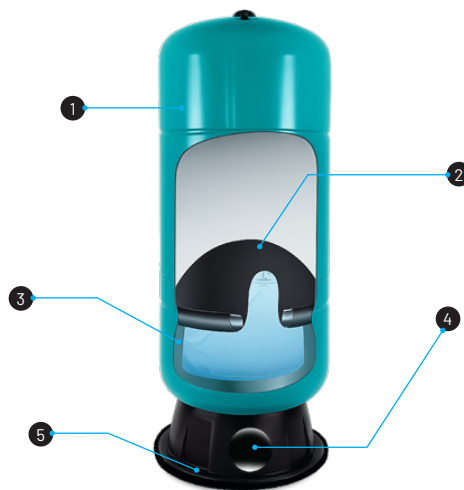
KEY FEATURES:

- Carbon steel shell with dual layer polyurethane paint finish
- Virgin polypropylene liner
- High-grade butyl diaphragm design
- Patented stainless steel water connection
- Reinforced connection plate and engineered thermoplastic bases



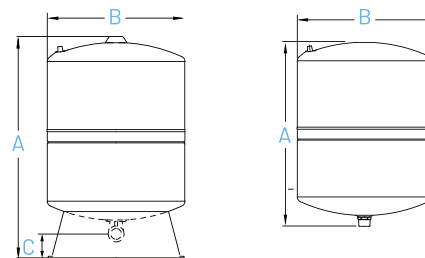
FEATURES AND BENEFITS:

- 1 **Carbon steel shell with dual layer polyurethane paint finish**
 - Durability and longevity in testing environments
- 2 **High-grade butyl diaphragm design**
 - Reliability
 - Longer service life
- 3 **Virgin polypropylene liner encases water**
 - Maintains water quality
 - Longer service life
- 4 **Patented stainless steel water connection**
 - Reliable connection with dual-seal design
- 5 **Reinforced connection plate for inline models 8 – 35 litres, and reinforced engineered thermoplastic base for floor-mounted models 50 litres and above**
 - Providing strength and stability for all installation types
 - Ease of installation



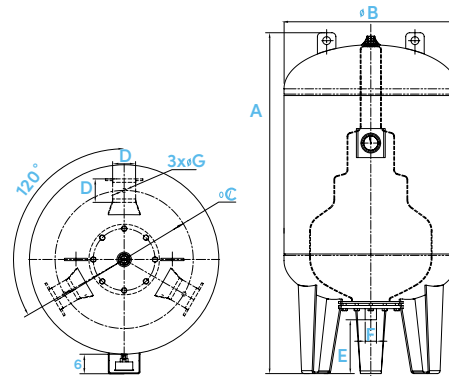
10 Bar

Model	Capacity (L)	Mounting / connection	Pressure		Dimensions (mm)			Packaged weight (kg)
			Maximum (bar)	Pre-charge (bar)	A	B	C	
OPT008	8	Pipe / 1" BSPT MI	10	1.9	314	202	-	2.5
OPT012	12	Pipe / 1" BSPT MI			367	230	-	3.3
OPT024	24	Pipe / 1" BSPT MI			447	290	-	5.6
OPT035	35	Pipe / 1" BSPT MI			483	318	-	7.4
OPT080	80	Standing / 1" BSPT FI			815	389	63	16.6
OPT100	100	Standing / 1" BSPT FI			805	430	59	20.1



16 Bar

Model	Capacity (L)	Mounting / connection	Pressure		Dimensions (mm)							Packaged weight (kg)
			Maximum (bar)	Pre-charge (bar)	A	B	C	D	E	G		
HPT020	20	Pipe / 1" BSPT MI	16	4	367	279	-	-	-	-	-	5.0
HPT050	50	Standing / 1" BSPT FI			619	390	63	-	-	-	-	15.1
HPT080	80	Standing / 1" BSPT FI			815	390	63	-	-	-	-	20.7
HPT100	100	Standing / 1" BSPT FI			805	432	59	-	-	-	-	26.8
HPT200	200	Standing / 1 1/2" BSPT MI			1075	590	460	60 x 60	150	14	-	51.0



Nominal draw-off in litres

Model	Capacity (L)	Pressure maximum (bar)	Pressure switch range bar (psi)									
			1.5 – 2.5 (22 – 36)	1.5 – 3.0 (22 – 44)	2.0 – 4.0 (36 – 58)	2.5 – 4.0 (36 – 58)	2.5 – 5.0 (36 – 73)	3.0 – 6.0 (44 – 88)	5.0 – 8.0 (73 – 116)	5.0 – 10.0 (73 – 145)	7.0 – 12.0 (101 – 174)	10.0 – 16.0 (145 – 232)
OPT008	8	10	2.4	3.0	3.2	2.4	3.3	3.4	2.7	3.5	-	-
OPT012	12		3.1	4.2	4.5	3.4	4.8	4.9	2.2	3.0	-	-
OPT024	24		6.2	8.5	8.9	6.9	9.5	9.8	7.6	10.4	-	-
OPT035	35		8.9	12.0	13.0	9.1	13.9	14.2	11.1	15.2	-	-
OPT080	80		20.3	27.6	29.8	22.8	31.8	32.6	25.4	34.9	-	-
OPT100	100		28.6	37.5	40.0	30.0	41.7	42.9	33.3	45.5	-	-
HPT020	20	16	5.1	6.9	7.5	5.7	7.9	8.1	6.3	8.7	7.5	6.9
HPT050	50		12.7	17.1	18.4	14.1	19.9	20.4	15.9	21.5	18.9	17.3
HPT080	80		20.0	27.1	29.3	22.4	31.3	32.1	25.0	34.3	30.2	27.7
HPT100	100		25.4	34.4	37.3	28.5	39.8	40.7	31.8	43.5	37.7	34.6
HPT200*	200		50.2	68.2	76.1	56.2	78.4	80.4	62.8	87.1	75.4	71.5

*HPT200 supplied with replaceable bladder

Operating confines

Confine	OPT	HPT
Maximum operating pressure (bar)	10	16
Pre-charge pressure (bar)	1.9	4
Min. liquid temperature	-10°C	
Max. liquid temperature	90°C	
Max. shell temperature	70°C	

Materials of construction

Item	Material
Tank shell	Carbon steel
Finish	Dual layer polyurethane paint
Diaphragm	Isobutylene-isoprene rubber
Liner	Virgin polypropylene
Connection	Stainless steel



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